

AMENDMENTS TO THE CLAIMSListing Of The Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 1 (Currently Amended) An information processing apparatus, comprising:

display means;

image data inputting means for inputting image data;

time information inputting means for inputting time information in connection with said image data;

position information inputting means for inputting position information in connection with said image data;

map display control means for controlling display of a 3D map image;

position icon display control means for controlling display of position icons indicative of said time information and said position information on the 3D map image whose display is controlled by said map display control means;

concave/convex display control means for controlling topographic concave/convex display of the 3D map image whose display is controlled by said map display control means, wherein

said map display control means changes a viewpoint of the 3D map image in response to pitch and yaw information entered by a user;

thumbnail icon display control means for controlling a display of thumbnail icons indicative of said image data;

position icon data inputting means for inputting data representative of said position icons; and

said thumbnail icon display control means controlling a sequential time series display of the thumbnail icons in response to said time information corresponding to the data representative of the position icons inputted by said position icon data inputting means and in response to the changing 3D map viewpoint, wherein the thumbnail icons are displayed so as to float above the 3D map image.

Claim 2 (Canceled).

Claim 3 (Previously Presented). The information processing apparatus according to claim 1, further comprising thumbnail icon data inputting means for inputting data representative of said thumbnail icons; said map display control means controlling a display region of the map image based on said position information corresponding to the data representative of the thumbnail icons inputted by said thumbnail icon data inputting means.

Claim 4 (Canceled).

Claim 5 (Previously Presented). The information processing apparatus according to claim 1, wherein said concave/convex display control means for controlling the topographic concave/convex display of said map image controls the topographic concave/convex display based on contour data of a topography.

Claim 6 (Previously Presented). An information processing apparatus according to claim 1, wherein said concave/convex display control means for controlling the topographic concave/convex display of said map image controls the topographic concave/convex display based on arbitrary illumination direction data and shadow data associated with the arbitrary illumination direction data.

Claim 7 (Previously Presented). An information processing apparatus according to claim 1, further comprising:

position icon time series display control means for controlling a time series display of said position icons in said map image based on said time information; and

connection line display control means for controlling a connection line display between a plurality of said position icons.

Claim 8 (Previously Presented). The information processing apparatus according to claim 5, wherein the map image whose display is controlled by said map display control means and a thumbnail icon display displayed on said map image by said thumbnail icon display control means are moved by at least one of horizontal movement, vertical movement, clockwise or counterclockwise rolling movement, upward or downward pitching movement and leftward or rightward yawing movement.

Claim 9 (Previously Presented). The information processing apparatus according to claim 7, wherein the map image whose display is controlled by said map display control means and a thumbnail icon display displayed on said map image by said thumbnail icon display control means are moved by at least one of horizontal movement, vertical movement, clockwise or counterclockwise rolling movement, upward or downward pitching movement and leftward or rightward yawing movement.

Claim 10 (Currently Amended). An information processing method for an apparatus that includes display means, comprising:

- an image data inputting step for inputting image data;
- a time information inputting step for inputting time information in connection with said image data;

a position information inputting step for inputting position information in connection with said image data;

a map display control step for controlling display of a 3D map image;

a position icon display control step for controlling display of position icons indicative of said time information and said position information on the 3D map image whose display is controlled by the map display control step;

a concave/convex display control step for controlling topographic concave/convex display of the 3D map image whose display is controlled by said map display control step, wherein said map display control step changes a viewpoint of the 3D map image in response to pitch and yaw information entered by a user;

a thumbnail icon display control step for controlling display of thumbnail icons indicative of said image data; and

a position icon data inputting step for inputting data representative of said position icons, wherein

the thumbnail icon display control step controlling a sequential time series display of the thumbnail icons in response to said time information corresponding to the data representative of the position icons inputted by said position icon data inputting step and in response to the changing 3D map image viewpoint, and

the thumbnail icons are displayed so as to float above

the 3D map image.

Claim 11 (Canceled).

Claim 12 (Previously Presented). The information processing method according to claim 10, further comprising a thumbnail icon data inputting step for inputting data representative of said thumbnail icons, said map display control step controlling a display region of the map image based on said position information corresponding to the data representative of the thumbnail icons inputted by said thumbnail icon data inputting step.

Claim 13 (Canceled).

Claim 14 (Previously Presented). The information processing method according to claim 10, wherein the concave/convex display control step for controlling the topographic concave/convex display of said map image controls the topographic concave/convex display based on contour data of a topography.

Claim 15 (Previously Presented). The information processing method according to claim 10, wherein the concave/convex display control step for controlling the topographic concave/convex display

of said map image controls the topographic concave/convex display based on arbitrary illumination direction data and shadow data associated with the arbitrary illumination direction data.

Claim 16 (Previously Presented). The information processing method according to claim 10, further comprising:

a position icon time series display control step for controlling a time series display of said position icons in said map image based on said time information; and

a connection line display control step for controlling a connection line display between a plurality of said position icons.

Claim 17 (Previously Presented). The information processing method according to claim 14, wherein the map image whose display is controlled by said map display control step and a thumbnail icon display displayed on said map image by said thumbnail icon display control step are moved by at least one of horizontal movement, vertical movement, clockwise or counterclockwise rolling movement, upward or downward pitching movement and leftward or rightward yawing movement.

Claim 18 (Previously Presented). The information processing method according to claim 16, wherein the map image whose display

is controlled by said map display control step and a thumbnail icon display displayed on said map image by said thumbnail icon display control step are moved by at least one of horizontal movement, vertical movement, clockwise or counterclockwise rolling movement, upward or downward pitching movement and leftward or rightward yawing movement.

Claim 19 (Currently Amended). An information storage medium on which a computer-readable program is recorded, the computer-readable program causing a computer to execute:

an image data inputting step for inputting image data;

a time information inputting step for inputting time information in connection with said image data;

a position information inputting step for inputting position information in connection with said image data;

a map display control step for controlling a display of a 3D map image;

a position icon display control step for controlling a display of position icons indicative of said time information and said position information on the 3D map image whose display is controlled by said map display control step, wherein said map display control step changes a viewpoint of the 3D map image in response to pitch and yaw information entered by a user;



a concave/convex display control step for controlling a topographic concave/convex display of the 3D map image whose display is controlled by said map display control step;

a thumbnail icon display control step for controlling display of thumbnail icons indicative of said image data; and

a position icon data inputting step for inputting data representative of said position icons, wherein

said thumbnail icon display control step controlling a sequential time series display of the thumbnail icons in response to said time information corresponding to the data representative of the position icons inputted by said position icon data inputting step and in response to the changing 3D map image viewpoint, and

the thumbnail user icons are displayed so as to float above the 3D map image.

Claim 20 (Canceled).

Claim 21 (Previously Presented). The information storage medium on which a computer-readable program is recorded according to claim 19, further comprising a thumbnail icon data inputting step for inputting data representative of said thumbnail icons, said map display control step controlling a display region of the map image based on said position information corresponding to the data representative of the thumbnail icons inputted by said thumbnail icon data inputting step.

Claim 22 (Canceled).

Claim 23 (Previously Presented). The information storage medium on which a computer-readable program is recorded according to claim 19, wherein the concave/convex display control step for controlling the topographic concave/convex display of said map image controls the topographic concave/convex display based on contour data of a topography.

Claim 24 (Previously Presented). The information storage medium on which a computer-readable program is recorded according to claim 19, wherein said concave/convex display control step for controlling the topographic concave/convex display of said map image controls the topographic concave/convex display based on

arbitrary illumination direction data and shadow data associated with the arbitrary illumination direction data.

Claim 25 (Previously Presented). The information storage medium on which a computer-readable program is recorded according to claim 19, further comprising:

a position icon time series display control step for controlling a time series display of said position icons in said map image based on said time information; and

a connection line display control step for controlling connection line display between a plurality of said position icons.

Claim 26 (Previously Presented). The information storage medium on which a computer-readable program is recorded according to claim 23, wherein the map image whose display is controlled by said map display control step and a thumbnail icon display displayed on said map image by said thumbnail icon display control step are moved by at least one of horizontal movement, vertical movement, clockwise or counterclockwise rolling movement, upward or downward pitching movement and leftward or rightward yawing movement.

Claim 27 (Previously Presented). The information storage

medium on which a computer-readable program is recorded according to claim 25, wherein the map image whose display is controlled by said map display control step and a thumbnail icon display displayed on said map image by said thumbnail icon display control step are moved by at least one of horizontal movement, vertical movement, clockwise or counterclockwise rolling movement, upward or downward pitching movement and leftward or rightward yawing movement.

Claim 28 (Currently Amended). A program for causing a computer to function as:

image data inputting means for inputting image data;

time information inputting means for inputting time information in connection with said image data;

position information inputting means for inputting position information in connection with said image data;

map display control means for controlling a display of a 3D map image;

position icon display control means for controlling a display of position icons indicative of said time information and said position information on the 3D map image whose display is controlled by said map display control means;

concave/convex display control means for controlling

topographic concave/convex display of the 3D map image whose display is controlled by said map display control means, wherein said map display control means changes a viewpoint of the 3D map image in response to pitch and yaw information entered by a user;

thumbnail icon display control means for controlling display of thumbnail icons indicative of said image data; and

position icon data inputting means for inputting data representative of said position icons, and

said thumbnail icon display control means controls a sequential time series display of the thumbnail icons in response to said time information corresponding to the data representative of the position icons inputted by said position icon data inputting means and in response to the changing 3D map viewpoint, wherein the thumbnail icons are displayed so as to float above the 3D map image.

Claim 29 (Canceled).

Claim 30 (Previously Presented). The program for causing a computer to function according to claim 28, wherein the function includes

thumbnail icon data inputting means for inputting data representative of said thumbnail icons, and said map display

control means controls a display region of the map image based on said position information corresponding to the data representative of the thumbnail icons inputted by said thumbnail icon data inputting means.

Claim 31 (Canceled).

Claim 32 (Previously Presented). The program for causing a computer to function according to claim 28, wherein said concave/convex display control means for controlling the topographic concave/convex display of said map image controls the topographic concave/convex display based on contour data of a topography.

Claim 33 (Previously Presented). The program for causing a computer to function according to claim 28, wherein said concave/convex display control means for controlling the topographic concave/convex display of said map image controls the topographic concave/convex display based on arbitrary illumination direction data and shadow data associated with the arbitrary illumination direction data.

Claim 34 (Previously Presented). The program for causing a

computer to function according to claim 28, wherein the function includes

position icon time series display control means for controlling a time series display of said position icons in said map image based on said time information; and

connection line display control means for controlling connection line display between a plurality of said position icons.

Claim 35 (Previously Presented). The program for causing a computer to function according to claim 32, wherein the function includes

movement display means for moving the map image whose display is controlled by said map display control means and a thumbnail icon display displayed on said map image by said thumbnail icon display control means by at least one of horizontal movement, vertical movement, clockwise or counterclockwise rolling movement, upward or downward pitching movement and leftward or rightward yawing movement.

Claim 36 (Previously Presented). The program for causing a computer to function according to claim 34, wherein the function includes

movement display means for moving the map image whose display

is controlled by said map display control means and a thumbnail icon display displayed on said map image by said thumbnail icon display control means by at least one of horizontal movement, vertical movement, clockwise or counterclockwise rolling movement, upward or downward pitching movement and leftward or rightward yawing movement.